

WHAT IS CLAIMED IS:

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1. An optical pickup device comprising:  
a lens for projecting a light onto a recording  
medium;

a lens holder elastically supported by a frame  
10 and holding said lens;

an actuator mounted in and driving said lens  
holder; and

a weight part balanced with a weight of said  
actuator.

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2. The optical pickup device as claimed in  
20 claim 1, further comprising:

a support part fixed to the frame so as to  
oppose said lens holder; and

a plurality of elastic supporters each extending  
along said lens holder and having a distal end engaging  
25 said lens holder and a proximal end connected to said  
support part.

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3. The optical pickup device as claimed in  
claim 2, wherein said elastic supporters are cantilever  
springs.

4. The optical pickup device as claimed in claim 2, wherein said lens holder comprises:

- a proximal end part actuated by said actuator;
- a distal end part extending from said proximal
- 5 end part in a direction away from said support part;
- connection parts provided on both sides of said proximal end part and connected to the distal ends of said elastic supporters; and
- a concave part to which said weight part is
- 10 bonded, the concave part being formed in a tip part formed on a distal end side of said distal end part.

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- 5. The optical pickup device as claimed in claim 1, wherein said weight part is formed of a rigid body and is bonded to a position farther in a direction toward a distal end side of said lens holder than a
- 20 position to which said lens is attached.

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6. The optical pickup device as claimed in claim 1, wherein said lens holder comprises:

- a first part holding said actuator;
- a second part extending from said first part and holding said lens; and
- 30 a concave part formed in an end part of said second part, the end part being on a side opposite to that of said first part,
- wherein said weight part is fitted into said

concave part.

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7. The optical pickup device as claimed in claim 6, wherein said weight part and said concave part has a rectangular shape.

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8. The optical pickup device as claimed in claim 1, wherein said weight part is formed of a material having a specific gravity higher than that of said lens holder.

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9. The optical pickup device as claimed in claim 1, wherein said weight part is formed of a material having stiffness higher than that of said lens holder.

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10. The optical pickup device as claimed in claim 1, wherein said weight part is formed of a metal material.

11. The optical pickup device as claimed in claim 1, wherein said weight part is formed of a resin material.

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12. An optical pickup device comprising:  
a lens for projecting a light onto a recording  
10 medium;  
a lens holder elastically supported by a frame and holding said lens;  
a weight part fixed to said lens holder; and  
an adhesive agent fixing said weight part to  
15 said lens holder, the adhesive agent having viscoelasticity such that said weight part serves as a dynamic vibration absorber.

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13. The optical pickup device as claimed in claim 12, further comprising an actuator mounted in and driving said lens holder,  
25 wherein said weight part is balanced with a weight of said actuator.

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14. The optical pickup device as claimed in claim 13, further comprising:  
a support part fixed to the frame so as to

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17. The optical pickup device as claimed in claim 12, wherein said weight part is formed of a rigid

body and is bonded to a position farther in a direction toward a distal end side of said lens holder than a position to which said lens is attached.

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18. An optical pickup device comprising:
- 10     a lens for projecting a light onto a recording medium;
- a lens holder elastically supported by a frame and holding said lens;
- an actuator mounted in and driving said lens holder;
- 15     a weight part balanced with a weight of said actuator; and
- an adhesive agent fixing said weight part to said lens holder, the adhesive agent having viscoelasticity such that said weight part serves as a
- 20     dynamic vibration absorber.

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